B7-like cross-reactive motif

+

YFW	1	2	3	4	5	6	7	8	9
YFW				STC	YFW		YFW	P	A

—

1	2	3	4	5	6	7	8	9
A		DE	QN		DE	QN	DE	G
DE					G	A	G	
G								
P								

* Motif is comprised of all residues which are "+" or "-" for two or more alleles.

FIGURE 1

Figure 2

B*0702

	Position 1	Position 2 anchor	3	4	5	6	7	8	C-terminal anchor
preferred	RHK / FWY	P	RHK		RHK	RHK	RHK	P / A	A L I V M F W Y
deleterious	DE / QN / P		DE / P	DE	DE	G / DE	QN	DE	

B*3501

	Position 1	Position 2 anchor	3	4	5	6	7	8	C-terminal anchor
preferred	LIVM / FWY	P	FWY				FWY		A L I V M F W Y
deleterious	A / G / P				G	G			

B51

	Position 1	Position 2 anchor	3	4	5	6	7	8	C-terminal anchor
preferred	LIVM / FWY	P	FWY	STC	FWY		G	FWY	A L I V M F W Y
deleterious	AGPDE / RHK / STC				DE	G	DE / QN	G / DE	

B*5301

	Position 1	Position 2 anchor	3	4	5	6	7	8	C-terminal anchor
preferred	LIVM / FWY	P	FWY	STC	FWY		LIVM / FWY	FWY	A L I V M F W Y
deleterious	A / GP / QN					G	RHK / QN	DE	

B*5401

	Position 1	Position 2 anchor	3	4	5	6	7	8	C-terminal anchor
preferred	FWY	P	FWY / LIVM		LIVM		A / LIVM	FWY / A / P	A L I V M F W Y
deleterious	GP / QN / DE		G / DE / STC		DE / RHK	DE	QN / G / DE	DE	